

# MONTHLY STATUS REPORT

## Omega Chemical OU2 – RI/FS

Period: 10/28/2006 through 11/24/2006

Work Assignment No.: 275-RICO-09BC  
CH2M HILL Project No.: 335392  
Team Sub Project No.:

Project Officer: Linda Nanbu  
Work Assignment Mgr.: Chris Lichens  
Site Manager/Firm: Tom Perina/CH2M HILL

### A. Expenditure Limit

4,652.3 (75.04%) of the LOE Expenditure Limit (6,200) and \$470,420.37 (76.49%) of the Dollar Expenditure Limit (\$615,000.00) has been expended.

### B. Summary

CH2M HILL collected split groundwater samples at the Cenco Refinery, conducted a short-term pumping test at extraction well EW-1, finalized the Draft SAP addendum for additional OU-2 field investigations, prepared a data transmittal for SAIC, reviewed OSVOG's draft well installation report, and continued the City permitting and access agreement process associated with the upcoming RI field activities at OU-2. Project activities also included routine project management, reporting, database management, and communication with EPA.

### C. Activities Performed During Reporting Period

This section presents a description of activities performed on each task. *Note: Report 1 contains by task, names of staff, "P" levels, and number of hours worked for each individual.*

#### Task 1 - Project Planning and Support (PP)

##### Subtask PP.01

- The SM and Project Hydrogeologist finalized the Draft SAP addendum for additional OU-2 field investigations. Other staff that assisted with the production of this deliverable included one Project Scientist, GIS Specialist, Word Processing Specialist, Graphics Specialist, Facilities Operations Assistant, and support staff.

##### Subtask PP.02

No Activity

##### Subtask PP.03

- The SM with the help of Support Staff performed routine management, cost/schedule control, invoicing, staffing, and reporting (Monthly Status Report) activities.
- The TM and Project Scientist assisted with MSR preparation and staffing.

#### Task 3 - Field Investigation (FI)

- The TM and Project Hydrogeologist continued the City/County permitting and private property access agreement process associated with the upcoming RI field activities at OU-2.
- The TM conducted one site reconnaissance visit to confirm final boring locations.
- The TM, Project Hydrogeologist, Senior Hydrogeologist, two GIS Specialists, Graphics Specialist, and Contracts Administrator finalized and sent out subcontracting documents and bid specifications for drilling and pumping test to potential bidders.
- The TM traveled to the City of Santa Fe Springs Public Works Department to obtain an excavation permit and business license for conducting the pumping test at extraction well EW-1.
- The Project Hydrogeologist and Staff Hydrogeologist conducted a 24-hour pumping test at extraction well EW-1. The Project Hydrogeologist also collected one sample from the groundwater holding tank for waste profiling, and then submitted the sample to the Region IX lab for analysis.
- The Staff Hydrogeologist collected 6 split groundwater samples and one ambient blank sample at the Cenco Refinery and submitted the samples to the Region IX lab for analysis.
- Equipment Specialist provided sampling supplies.
- Contracts Administrator reviewed subcontracting materials.
- The SM coordinated field and permitting activities.
- Other Direct Costs for this task are \$50.00 for Equipment Rental Outside, \$153.80 for Equipment Consumable and \$267.50 for Parcel Maps.

**Task 5 - Analytical Support & Data Validation (AN)**

- The TM, Project Chemist, two Database Specialists, and Staff Scientist reviewed data validation results and updated the project database.
- The TM, Project Chemist, and Senior Risk Assessor updated the groundwater target analyte list per comments from Region IX Laboratory.
- The TM prepared Region IX laboratory request forms for the upcoming WDI split sampling and IDW sampling for the EW-1 pumping test.
- The SM coordinated data validation activities, communication with Region IX laboratory, and target analyte list revision.

**Task 6 - Data Evaluation (DE)**

- Two Project Hydrogeologists evaluated the objectives and requirements for an OU-2 groundwater flow and contaminant transport model, and prepared a draft technical memorandum for the model selection.
- The Sr. Contract Administrator revised team subcontractor tasking documents.
- The SM and Staff Scientist reviewed the PRP's well installation report and prepared written comments for EPA.
- Two GIS Specialists, Project Chemist, and Staff Scientist prepared a CD with GIS files for contaminant distribution maps from the SAP Addendum for EPA/SAIC.
- The SM coordinated data evaluation activities and reviewed the model selection memorandum.
- The SM contacted OSVOG/Arcadis to obtain electronic version of donwhole geophysical logs for wells that OSVOG installed. The SM, Staff Scientist, and Graphics Specialist revised hydrogeologic cross section A-A'.

**Task 12 - FS Report (FS)**

No Activity

**D. Activities Planned During Next Reporting Period**

This section includes a description of activities planned on each task during the next reporting period.

**Task 1 - Project Planning and Support (PP)**

- Perform routine management and reporting.

**Task 3 - Field Investigation (FI)**

- If requested by EPA, continue permitting of new well and soil borings with City of Santa Fe Springs, City of Whittier, City of Norwalk, Caltrans, and the LA County Department of Health Services (DHS).
- Finalize access agreements with private businesses.
- The following activities are expected for the remainder of 2006 and the beginning of 2007:
- Collect split samples at WDI wells in December.
- Install wells to characterize the extent of groundwater contamination within OU-2.
- Investigate potential contaminant vapor intrusion in a residential area.
- Investigate sources of groundwater contamination in OU-2.
- Perform pumping tests on selected EPA wells.
- Coordinate with City of Santa Fe Springs on pumping test at well SFS well #1.

**Task 5 - Analytical Support & Data Validation (AN)**

- Coordinate validation with Region IX QAO.
- Manage project database.

**Task 6 - Data Evaluation (DE)**

- Evaluate the need for and coordinate with WRD on deep monitoring well installation.
- Re-evaluate the scope of the aquifer testing program for OU-2.
- Finalize OU-2 model selection memorandum and continue document review for available modeling information.

**Task 12 - FS Report (FS)**

None

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*Period: 10/28/2006 through 11/24/2006***E. Anticipated Changes**

None

**F. Variances - Contract Cost Adjustments**

None

**G. Problems and Recommended Solutions**

Over 75% of the Dollar and LOE Expenditure Limits have been expended. EL ceilings are expected to be reached in January 2007. An increase in ELs is recommended to complete the upcoming field activities planned for December 2006 through March 2007.

**REMAINING 33 PAGES REDACTED --  
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